



Technical Data Sheet

Product Number: PNL332147

Product Name: SHIELD BLACK CR 32147 POL.

Chemistry: POLYESTER TGIC

Date: APRIL 20TH, 2018

Powder Properties

ASTM D5965 (B)	Specific Gravity	1.80 ± 0.05
PCI TECHNICAL BRIEF #8	Theoretical Coverage	106.8 ft ² /lb/mil
	Shelf Life	12 months in climate controlled environment

Film Characteristics

ASTM D523	Gloss @ 60°	65-75%
ASTM D3359 (B)	Adhesion	5B Pass
ASTM D3363	Pencil Test (Scratch Hardness)	F Pass
ASTM D7091	Recommended Film Thickness	3.0-5.0 mils
PCI TECHNICAL BRIEF #20	PCI Powder Smoothness	2
ASTM D522 (A)	Flexibility Mandrel	1/8"
ASTM D2794	Indirect Impact	100 in/lbs
ASTM D5402	MEK Resistance	25 Double Rubs
ASTM B117	Salt Spray	3,000 hours
ASTM G154	UV Resistance	500 hours

Application

Electrostatic Spray, Cold
Substrate: 0.024 in. CRS
Pretreatment: Bonderite® 1000 , Parcolene® 60

Cure Schedule
(Time at Substrate Temperature)
320 °F @ 15 minutes

Notes

American Standard Testing Method (ASTM)
Powder Coating Institute

This report cannot be altered or changed without the authorization of the Quality Manager.

Vitracoat, Inc.

2807 Marina Drive Elkhart, IN 46514 Ph: 574-264-6090
Toll-Free: 888-778-5994 Fax: 574-264-2776 www.vitracoat.com

Vitracoat Pinturas en Polvo S.A de C.V.

Av. Circuito de la Industria Sur 284, Parque Industrial Lerma, C.P. 52000, Estado de Mexico, México, Phone: +(722) 2627000, Fax+(722)2827024
www.vitracoat.com*Email:sales@vitracoat.com